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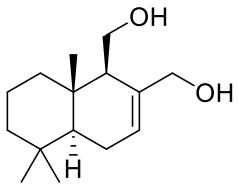
PRODUCT DATA SHEET

Drimendiol

Code No.: **BIA-D1771**

Pack sizes: **1 mg, 5 mg**



Synonyms : (-)-11,12-Dihydroxydrimene, (-)-Drimenediol, 11,12-Drihydroxydrimene, Polygodiol

Specifications

CAS #	:	**34437-62-2**
Molecular Formula	:	**$C_{15}H_{26}O_2$**
Molecular Weight	:	**238.4**
Source	:	**Semi-synthetic**
Appearance	:	**White solid**
Purity	:	**>95% by HPLC**
Long Term Storage	:	**-20°C**
Solubility	:	**Soluble in methanol, DMSO.**

Application Notes

Drimendiol is the sesquiterpene dialcohol of polygodial, found in a number of plant species native to Australia and New Zealand. More recently, drimendiol was prepared from polygodial isolated from Tasmannia lanceolata by Smith and colleagues at the University of Tasmania, Australia. Drimendiol's bioactivity has received little attention but it is reported as a quorum sensing inhibitor.

References

1. Practical isolation of polygodial from Tasmannia lanceolata: a viable scaffold for synthesis. Just J. et al. Org. Biomol. Chem., 2015, 13, 11200
2. Drimendiol, a drimane sesquiterpene with quorum sensing inhibition activity. Paza C. et al., Nat. Prod. Commun. 2013, 8, 147.
3. Identification of a drimenol synthase and drimenol oxidase from Persicaria hydropiper, involved in the biosynthesis of insect deterrent drimanes. Hemquet M.G.L. et al., Plant J. 2017, 90, 1052.

For in vitro laboratory use only. Not for human or animal use.

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